



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>7</sup> : C12N 15/85, 5/10, A01K 67/027, C07K 14/47, 14/82	A1	(11) International Publication Number: <b>WO 00/34492</b>
		(43) International Publication Date: 15 June 2000 (15.06.00)

(21) International Application Number: PCT/EP98/08009

(22) International Filing Date: 9 December 1998 (09.12.98)

(71) Applicants (for all designated States except US): CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE [FR/FR]; 3, rue Michel-Ange, F-75794 Paris Cedex 16 (FR). INSTITUT CURIE [FR/FR]; 26, rue d'Ulm, F-75248 Paris Cedex 05 (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): PINTO, Daniel [FR/FR]; 120, avenue Gambetta, F-93170 Bagnolet (FR). ROBINE, Sylvie [FR/FR]; 3, rue R. Marcheron, F-92170 Vanves (FR). JAISSE, Frédéric [FR/FR]; 29, rue G. Moquet, F-92240 Malakoff (FR). LOUVARD, Daniel [FR/FR]; 23, allée de Trévise, F-92330 Sceaux (FR).

(74) Agents: GUTMANN, Ernest et al.; Ernest Gutmann-Yves Plasseraud S.A., 3, rue Chauveau-Lagarde, F-75008 Paris (FR).

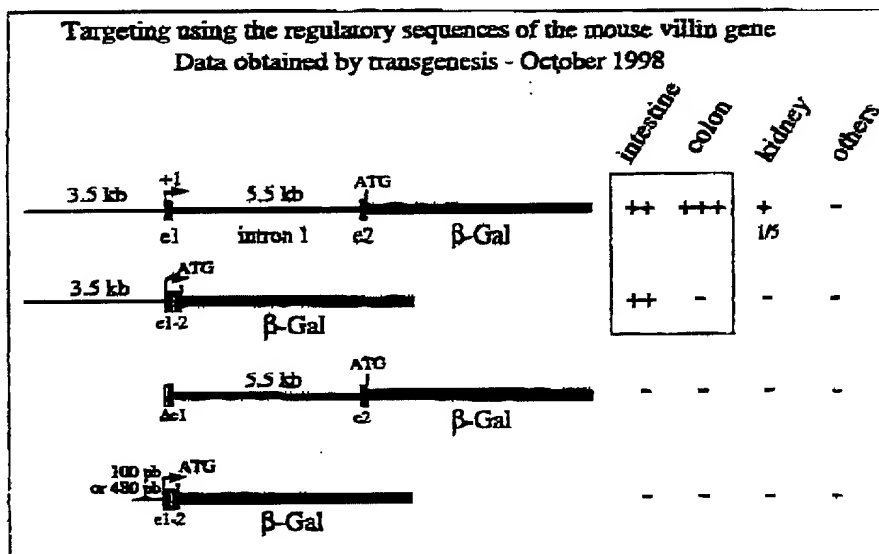
(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

## Published

With international search report.

With a statement concerning non-prejudicial disclosure or exception to lack of novelty.

(54) Title: REGULATORY SEQUENCES OF THE MOUSE VILLIN GENE - USE IN TRANSGENESIS



## (57) Abstract

The invention relates to regulatory sequences of the mouse villin gene that efficiently drive transgenic expression in immature and differentiated epithelial cells of the intestine and uro-genital tracts. The invention also relates to recombinant constructs comprising said regulatory sequences, for the control of the targeted expression of determined nucleic acid sequences so-called (heterologous sequences or also transgenes), in cells or tissues originating from the intestinal mucosa. A further object of the invention is to provide cells, tissues or organisms including animals, expressing said determined nucleic acid sequences in a targeted manner.